

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number
WO 2005/045278 A1

(51) International Patent Classification⁷: **F16F 9/508,**
E05F 5/02

(21) International Application Number:
PCT/SG2004/000362

(22) International Filing Date:
4 November 2004 (04.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PI20034213 5 November 2003 (05.11.2003) MY

(71) Applicant (for AG only): **TAY, Yeo King** [MY/SG]; Block 520, 52 Jurong West Street, #09-179, Singapore 640520 (SG).

(71) Applicants and

(72) Inventors: **LAM HARN, Lian** [MY/MY]; Plot 32, Lengkok Rishah 1, Kawasan Perindustrian Silibin, 30100 Ipoh, Perak (MY). **LAM HARN, Yan** [MY/MY]; Plot 32, Lengkok Rishah 1, Kawasan Perindustrian Silibin, 30100 Ipoh, Perak (MY).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

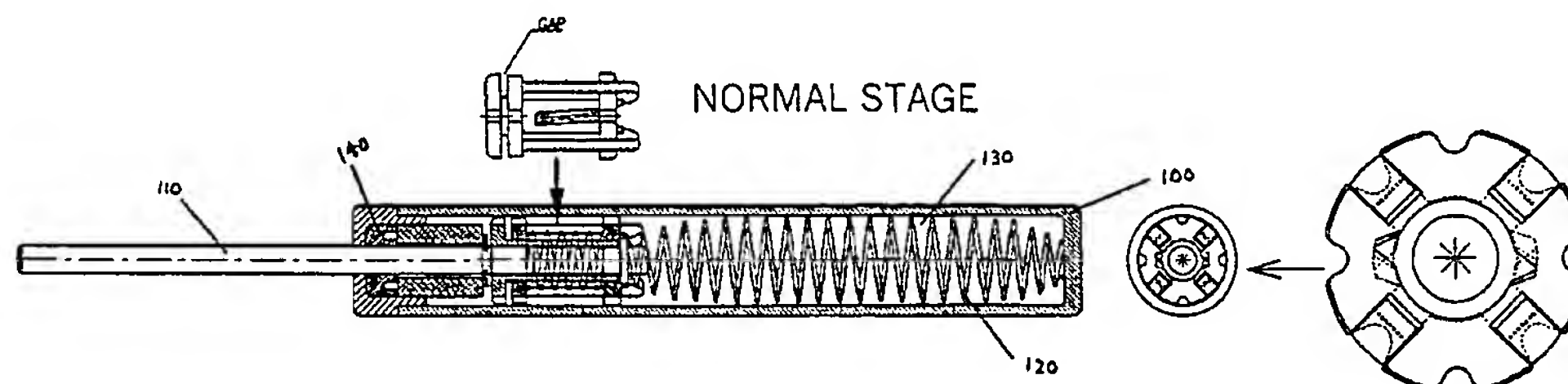
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
- of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FLUID DAMPER



(57) Abstract: The invention is a fluidic damper which comprises a closed cylinder (100) containing a valve mechanism. The valve mechanism is attached to a piston rod (110), a portion of which (the piston rod) emerges through an opening in one end wall of the cylinder (100). The valve mechanism (90) comprises a disc (10) with an axle (15), a rotatable annular cover piece (20) and an annular turning piece (40). A spring (30) is disposed between the cover piece (20) and the turning piece (40).

WO 2005/045278 A1